



2012 INTERNATIONAL YEAR OF
SUSTAINABLE ENERGY
FOR ALL



Global Renewable Energy Policy Perspectives

MENAREC5

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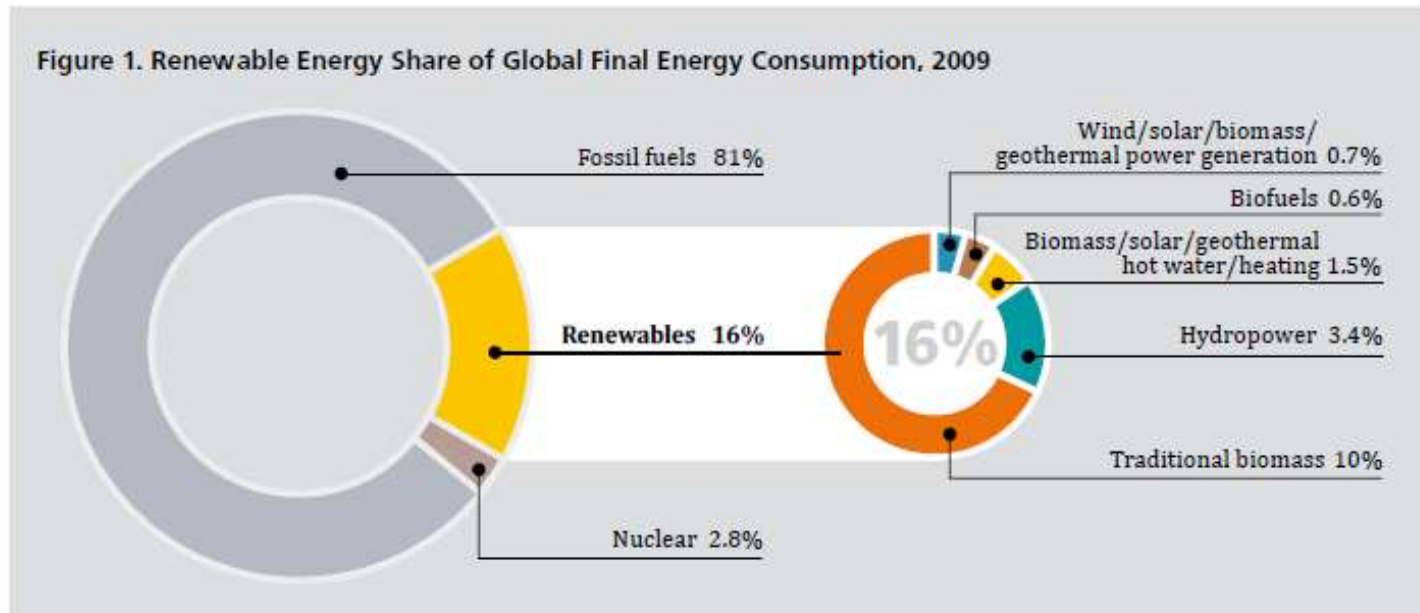
Marrakech, 15th May 2012

About REN21

- **Multi-stakeholder** Policy Network grouping: governments, international organisations, industry, academia, NGOs, civil society
- **Rationale:** enable a **rapid global transition to renewable energy**.
- **REN21's Mission:** promote policies for worldwide renewable energy expansion through
 - objective **policy guidance**
 - high quality **information**
 - **exchange** among relevant actors

Renewable Energy: 16 % of global final energy consumption

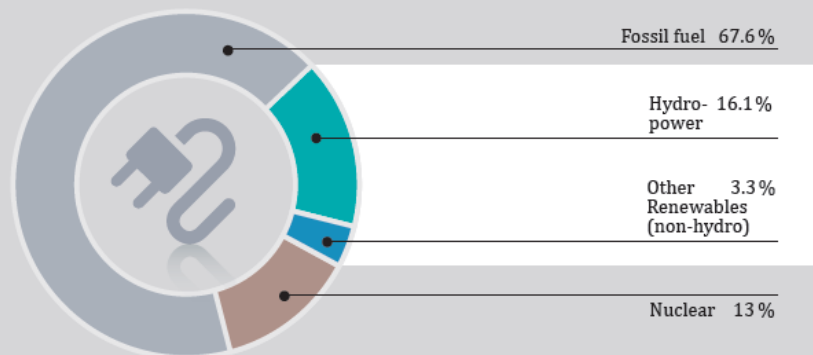
Renewables 2011 Global Status Report



- RE supplied an estimated **16%** of **global final energy consumption**
- **UN Secretary General's goal** : doubling the share of renewable energy in the global energy mix by 2030

Global Market Overview – Power Markets

Figure 3. Renewable Energy Share of Global Electricity Production, 2010



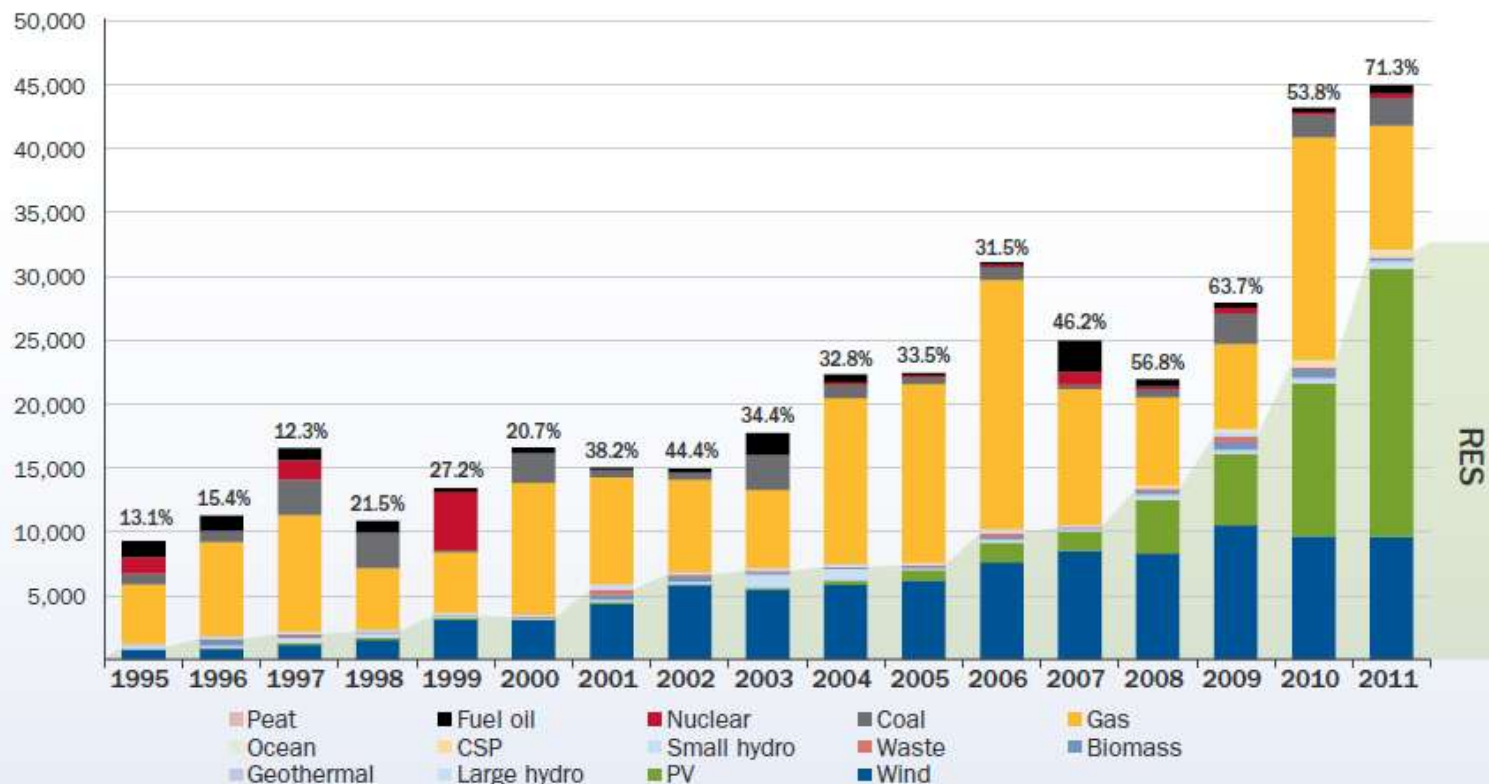
Source: See Endnote 6 for this section

- Renewable electric power capacity worldwide reached **1,320 GW (+8%)** in 2010
- Renewable capacity comprises about **25 %** of **total global power-generating capacity**
- Renewable energy delivered close to **20%** of **global electricity production**
- RE accounted for roughly **half** of the 194 GW of **new power generating capacity**

New annual power capacity added in EU in 2011: 71, 3 % renewable based

EU INSTALLED POWER GENERATING CAPACITY PER YEAR IN MW AND RES SHARE (%)

FIGURE 2.1



Source: EWEA

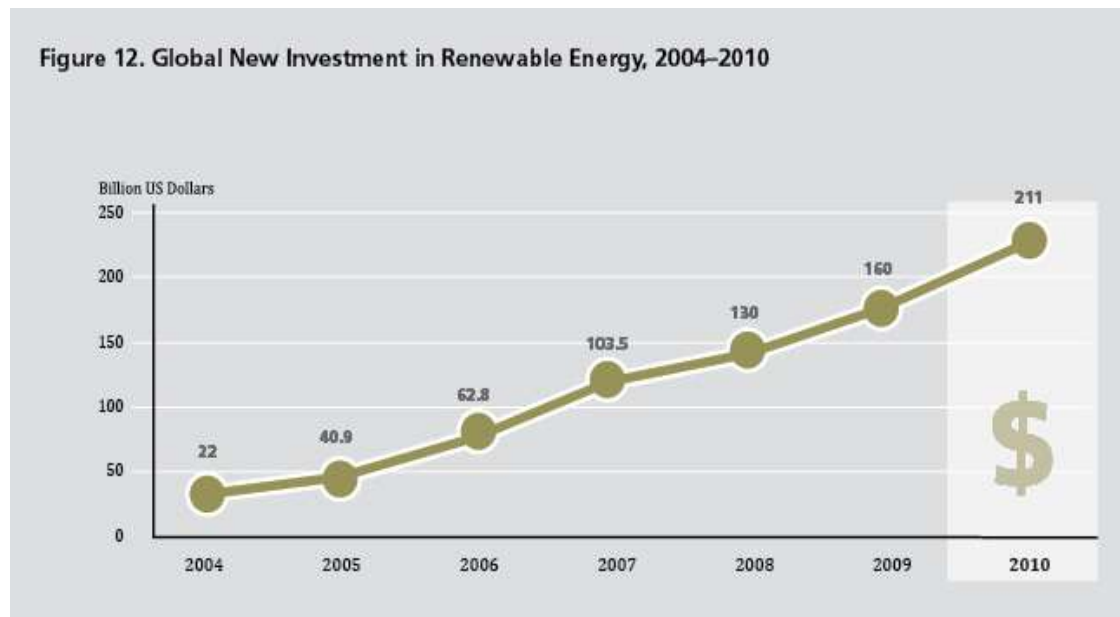
Heating & cooling – the sleeping giant

- **Heating and Cooling**

- Modern biomass accounts for the largest share of renewable heating, followed by solar thermal and then direct geothermal heat.
- Trends toward increasing use for industrial heat, and use of solar for cooling, ground-source heat pumps.



Investment Flows

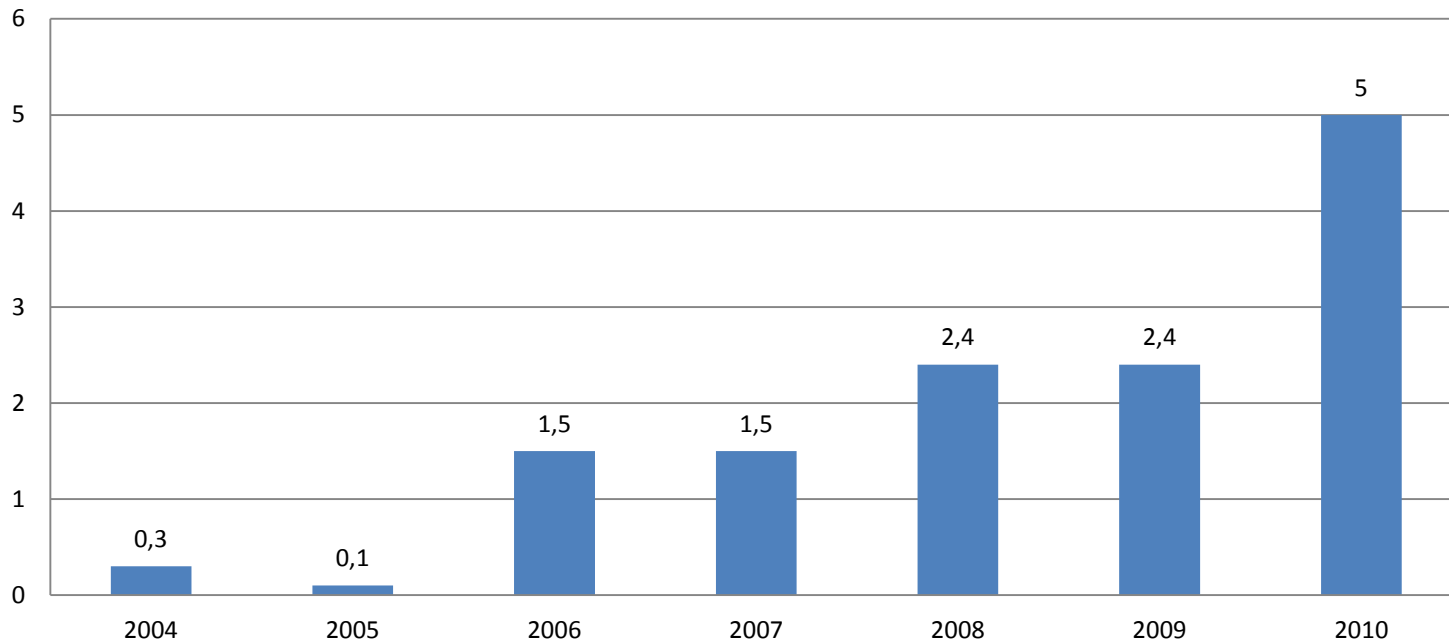


Source: UNEP/Bloomberg: Global Trends in Renewable Energy Investment 2011

- **Outlook 2011: total global investment** in RE jumped in 2011 to a **record of \$237 billion**

Investment Flows : MENA Region

New Investment in Renewables for the Middle East and Africa region
(\$ Billion)



Source: BNEF, 2011

Investment levels up by 104 % in 2010 compared to 2009
Egypt leading the way with over \$2 billion invested.

Policy Landscape

Policy Targets

- Doubling of countries with RE targets or policies in five years
- Targets in at least **112 countries**; more than half are **developing countries**.
- Many targets and policies also exist at **state, provincial** and **local** levels.
- Targets represent commitments to:
 - **Shares of electricity** (typically 10–30%)
 - **Total primary energy**
 - **Heat supply**
 - **Installed capacities** of specific technologies,
 - **Shares of biofuel** in road transport fuels over 1-2 decades.
- Many countries **met 2010** targets (some data not available), **some exceeded**.

Policy Landscape

Policy targets : MENA region

ALGERIA

- Share of Electricity from Renewables: 20 % by 2030
- Wind : 100 MW by 2015
- CSP : 170 MW by 2015
- Solar PV : 5.1 MW by 2015

JORDAN

- Share of Electricity from Renewables: 10% by 2020
- Wind: 600 MW by 2015
- Solar PV : 300 MW by 2015

EGYPT

- Share of Electricity from Renewables: 20 % by 2020
- Wind : 12% by 2020 (> 7200 MW)
- CSP : 6% by 2020
- Solar PV : 2% by 2020

MOROCCO

- Share of Electricity from Renewables: 20% by 2020
- Small Scale Hydro: 400 MW by 2020
- Solar PV and CSP: 2000 MW by 2020
- Wind: 2000 MW by 2020
- Solar Hot Water: 1.7 billion m² by 2020 (1.2 GWth)

Policy Landscape

Renewable Energy Support Policies : MENA region

	Feed - in Tariff	Net Metering	Capital Subsidies/grants/ rebates	Reduction in Sales taxes/VAT/Custom Taxes	Public Investments/Loans /Grants	Public Competitive bidding
ALGERIA						
EGYPT						
JORDAN						
MOROCCO						
TUNISIA						

Recent and Upcoming developments:

Syria has introduced in November 2011 a **RE Feed in tariff** for grid connected projects with a capacity less than 10 MW

Egypt to implement **feed-in tariffs in 2012** for small and medium project with a maximum capacity of 50 MW for a total renewable energy capacity of 2500 GW

Objective:

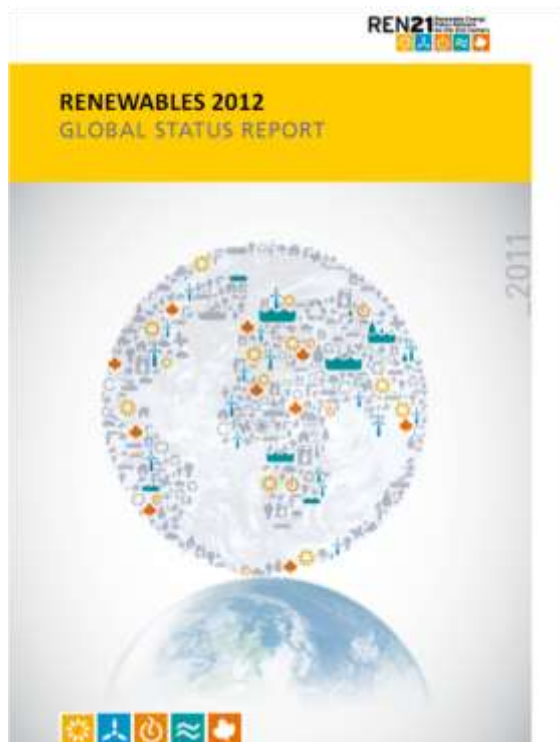
developing a qualitative and quantitative renewable database framework that will monitor and record the progress of renewable energy developments & induce renewable energy uptake in emerging markets

Output:

- Development of a standardized global framework to capture renewable energy developments
- Compilation of pilot country profiles based on the RE data and information gathered both from National Focal Points and private sector actors incl. financial institutions, industry & NGOs
- **MENA workshop on 17th May 2012 back-to-back with MENAREC5**

Coming soon...

REN21 Renewables 2012 Global Status Report



Launch together with Global Trends in RE investment on 11th June 2012

Special IYSEA focus: rural energy

Numerous side bars to cover latest trends in RE development

July – December 2012:
Outreach events- help us spread the message!

International Year of Sustainable Energy for All



REN21 facilitates global dialogue: International Renewable Energy Conferences



In 2013 ADIREC will be hosted on 15-17 January 2013 by
the World Future Energy Summit

See you at **ADIREC 2013 in Abu Dhabi!**

Contact Info

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